



TO: S. McCourt

DATE: September 19, 1983

FROM: C. Corcoran

SUBJECT: TS2000 BUG FIXES & ENHANCEMENTS

DISTRIBUTION: Boyle, Collum, Dargan, Hildreth

The following schedule has been established for availability for testing of the TS2000 bug fixes and enhancements described in the addendum to the Software Functional Specification.

It is planned to release to the Test Group in at least two preliminary phases, with the final version targeted for November 1, 1983. This will permit two weeks of testing before a proposed mid-November release to the vendor.

1. PHASE 1 - October 10, 1983

Includes: A. All bug fixes listed in Addendum.

B. Video mode enhancement described in Section 1.1 of Addendum.

C. Additional bug fixes:

1. Set INTPT flag when entering the error handler for ON ERR GOTO.

2. Check for AROS when an LROS is present in the Dock Bank.

2. PHASE 2 - October 24, 1983

Includes: A. Corrections to Phase 1 for problems found in test.

B. Enhancements from Addendum sections:

1.2 48K BASIC AROS

1.3 Type-Ahead buffer

1.4 Real time clock (DATE/TIME)

3. FINAL VERSION - November 1, 1983

Other corrections and additions to the OS Software which must be coordinated into the above schedule are:

1. Corrections to Bank Switching and Expansion Bank Initialization Code. (L. Hildreth)

2. Changes and additions for support of other peripherals - Microdrive, Floppy Disk, 80-Col. Printer, etc. The person(s) responsible should identify affected areas of the existing code and define the scope of the changes, i.e., how much space will be required. I will be supplying a list of free areas in the home ROM. We need to know if this is sufficient. I also need an estimate of when this code will be available. I am assuming W. Collum is responsible for additions to the interruption handler for dealing with expansion banks, and that L. Dargan is responsible for those areas of the BASIC interpreter supporting new devices.

3. Coordination of location and definition of new system variables. The following have been identified for the enhancements:

L_LEN	1 BYTE	LINE LENGTH FOR SCREEN/PRINTER
K_BUFF	10 BYTES	KEYBOARD BUFFER
KB_CTL	2 BYTES	BUFFER CONTROLS FOR KB BUFFER
DATE\$	3 BYTES	
TIME\$	3 BYTES	

4. Coordination of definition of new flags. The following new flags have been defined in connection with the bug fixes and enhancements:

TV FLAG	7 - INTERRUPTION DISABLED
	6 - SCROLL? ACTIVE

All of the above estimates are based on use of the ZILOG for initial updating of source files until the VAX is available. The schedules are very optimistic in view of the changeover activity necessary during the updating and debugging of the code. Since the enhancements are prioritized, any delays will affect those of lowest priority.

If you agree, the above schedule will be given to B. Honnold.

*Also, INCLUSION OF 80-COL. MODE FOR SCREEN.*

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